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the food crops, timber and fruit trees of England, and she has therefore issued a circular asking information concerning the habits, appearance and remedies against noxious insects.

WHITE'S CONTRIBUTIONS TO PALÆONTOLOGY.<sup>1</sup>—These chapters contain descriptions of fossils discovered by the Hayden Survey, belonging to the Cretaceous, Tertiary, Laramie, Triassic, Carboniferous, Jurassic and again the Carboniferous formations of the Western Territories, in the order here named. The sudden, and as it has proved in many ways to be, disastrous abolishment by Congress of this great survey, has left no provision for the proper publication of the final results of the geological and palæontological work. But while the subjects treated of in these eight contributions have been thus presented in an unfinished state, opportunity has been taken to figure nearly every species described in the publications of the survey. Hence all that refers to the Tertiary, Cretaceous, Laramie and Jurassic invertebrates, as well as those of other formations, is rendered of much value in future researches in Utah, Wyoming and Idaho. Perhaps the most valuable of the contributions are Dr. White's descriptions of the Laramie invertebrates and his general introductory remarks. These afford materials for a monograph of the invertebrate animals of this interesting formation which it is to be hoped he may have the opportunity, by fresh field work, to complete.

THE ABORIGINES OF VICTORIA.<sup>2</sup>—This valuable publication was printed at the expense of the government of the province of Victoria in Southeastern Australia, and although it professes to sketch only the natives of the province aforesaid, we get from it a glance at all the Australian aborigines, their manners, customs, and racial peculiarities. The first volume enlarges upon the manner of sustenance, the education of children and the mental character of these natives; then follow sketches of their encampments and daily life, their diseases, their canoes, weapons and other implements. A chapter on pictorial representations drawn on pieces of bark will attract particular attention.

The second volume is devoted to the reproduction of numerous vocabularies and other linguistic material of the Victoria and Tasmania dialects, all of which seem to show considerable affinity and are, in part, of a very harmonious, or at least vocalic character; follows a series of appendices of ethnographic import: songs, music, sign-language, etc. Some of the songs are worded in the harmonious dialect of Kotúpna, at the junction of Goulbourn and Murray rivers. Among the myths, of which a large selection is

<sup>1</sup> *Contributions to Palæontology*. Nos. 2-8. By C. A. WHITE, M.D. U. S. Geological Survey, F. V. Hayden in charge. (Extracted from the Twelfth Annual Report of the Survey for the year 1878.) Washington, July, 1880. 8vo, pp. 171, 42 plates.

<sup>2</sup> *R. Brough Smith, the Aborigines of Victoria*. Melbourne, 1878. Two volumes in Lex.-octavo, profusely illustrated.

offered, those of the creator of all things, called *Pundjel* by the tribes of Bungwrong, Yarra, Melbourne, &c., are of peculiar interest.—*A. A. Gatschet.*

RECENT BOOKS AND PAMPHLETS.—The Foramina of Monro. By Burt G. Wilder. (From Boston Med. and Surg. Journ., Aug. 12, 1880.) pp. 8. From the author.

The two kinds of Vivisection—Sentisection and Callisection. By Burt G. Wilder. (From Med. Rec., Aug. 21, 1880.) pp. 2. From the author.

An address before the American Association for the Advancement of Science. By Alexander Aggassiz. pp. 26, 1880. From the author.

An address before the American Association for the Advancement of Science. By Asaph Hall. pp. 16, 1880. From the author.

The Classification of the Tertiary period by means of the Mammalia. By W. Boyd Dawkins. (From Quar. Journ. Geol. Soc. for Aug., 1880.) pp. 26. From the author.

Some Observations on the *Menobranthus maculatus*. By Henry Montgomery. (From Canadian Naturalist, Vol. ix, No. 3.) pp. 7, 1880. From the author.

Description of parts of the Skeleton of an Anomodont Reptile (*Platypodosaurus robustus*) from the Trias of Graaf Reinet, S. Africa. By Prof. Owen. (From Quart. Journ. Geol. Soc., Aug. 1880.) pp. 13, pls. 2. From the author.

Graptolites of the Niagara formation. By J. W. Spencer. (From Canadian Naturalist, Vol. 8, No. 8, pp. 7.) From the author.

On the Nipigon or Copper-bearing Rocks of Lake Superior, with notes on copper mining in the region. By J. W. Spencer. (From Canadian Naturalist.) pp. 15. From the author.

Notes on the Geology of the Iron and Copper Districts of Lake Superior. By M. E. Wadsworth. (Bull. of the Mus. Comp. Zool., Geol. Ser., Vol. 1) pp. 157, pls. 6. Cambridge, 1880. From the author.

On the conditions to be filled by a Theory of Life. By C. S. Minot. (From Proc. Amer. Assoc. Adv. Sci., Aug., 1879.) pp. 5, Salem, 1880. From the author.

A Catalogue of the Birds of Indiana with keys and descriptions of the Groups of Greatest Interest to the Horticulturalist. By A. W. Braytons. pp. 76. Indianapolis, 1880. From the author.

Note on the Extension of Coiled Arms in Rhynchonella. By Edw. S. Morse. (From Amer. Journ. Sci. and Arts, Vol. 17, March, 1869.) pp. 1. Tokio, Japan, Nov. 26, 1878. From the author.

On the Tarsus and Carpus of Birds. By Edw. S. Morse. (From Ann. Lyc. Nat. Hist., New York, Vol. 10, 1872.) pp. 18, pls. 4-5. From the author.

On the Identity of the Ascending Process of the Astragalus in Birds with the Intermedium. By Edw. S. Morse. (From Mem. Bost. Soc. Nat. Hist., 1880.) 4to, pp. 10, pl. 1. From the author.

Description of a new species of *Chamaeleon* from Madagascar. By Dr. A. Gunther. p. 1, 1 pl. Sept., 1879. From the author.

Description of new species of Reptiles from Eastern Africa. By Dr. A. Gunther. pp. 5, Sept., 1880. From the author.

A contribution to the knowledge of the Fish-fauna of the Rio de la Plata. By Dr. A. Gunther. (From Ann. and Mag. Nat. Hist., July, 1880.) pp. 7, pl. 1. From the author.

Ottawa Field Naturalists' Club. Transactions No. 1. 8vo, pp. 60, pls. 2. Ottawa, Canada, 1880. From the club.

Comptes Rendus Sténographiques des Congrès et Conférences. Congrès International de Géologie, Paris, Septembre, 1878. pp. 313. Paris, 1880.

Rapport sur la marche der Musée Géologique Vaudois en 1869. Par E. Renévier. (Ext. Bull. Soc. Vaud. Sc. Nat., 16, 83.) pp. 17. Lausanne, 1880. From the author.

Histoire Géologique du Canal de la Manche. Par M. Hébert. (Ext. Comptes Rendus Acad. des Sciences, T. 90, 1880.) pp. 13, 4to. From the author.

Le Pliocène de Castel d'appio en Italie. Par M. Emile Rivière. pp. 8, 1880.